



About the State Sample Generator

The Department of Energy's (DOE's) Building Energy Codes Program (BECP) has developed procedures and tools to help states and jurisdictions measure and report compliance with building energy codes. These procedures require the evaluation of a random sample of residential and commercial buildings in the state, and are available online in a document entitled [Measuring State Energy Code Compliance](#). Section 5.0 of this document provides a methodology for generating and distributing the random sample across climate zones and counties in the state. While the formal algorithms for generating this random sample are described in detail, states can instead use this State Sample Generator tool to quickly generate a random sample based on these algorithms. The tool will generate the required number of samples for each of the following four building populations:

- New Commercial
- New Residential
- Commercial Renovations
- Residential Renovations

The tool generates random samples for new construction and commercial renovations by preferring samples in locations that have more new construction. By default, an estimate of future new construction is generated based on an average of three previous years of construction data. If states believe that data from the previous 1 or 2 years will provide a better basis for estimating new construction, they can select those options in the tool. The generated sample sets display the number of samples to take from each county in the state, and for commercial new construction it breaks those samples down by building size. Past data about residential renovation activity proved difficult to acquire. BECP recommends that the sample sets generated for new residential construction also be used for residential renovations.

The sample sets can be exported to a CSV file, which can be loaded by Excel.

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State Sample Generator

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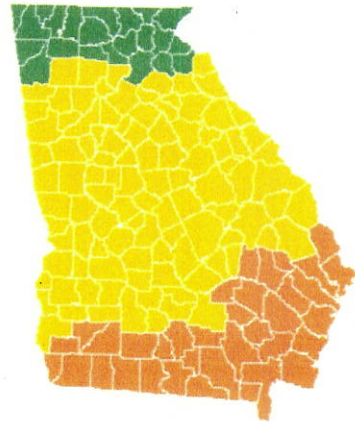
GEORGIA

Choose a construction category and time period to filter sample results.

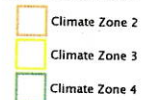
Construction Category **Commercial New Construction**

Time Period ☐ Average of 3 Most Recently Available Years
☐ Average of 2 Most Recently Available Years
☒ Most Recently Available Year

CONSTRUCTION SAMPLES



Climate Zone Color Legend



Commercial New Construction

Construction starts based on 2009 data.

| Location | Construction Starts | Sample Size | | | | |
|------------------------------|---------------------|-------------|-----------|-----------|----------|----------|
| | | Small | Medium | Large | XLarge | XX-Large |
| State Totals | 855 | 15 | 14 | 14 | 0 | 0 |
| Climate Zone 2 Totals | 98 | 2 | 2 | 2 | | |
| Chatham County | 32 | 1 | - | - | | |
| Colquitt County | 3 | 1 | - | - | | |
| Liberty County | 6 | - | - | 2 | | |
| Thomas County | 4 | - | 2 | - | | |
| Climate Zone 3 Totals | 692 | 11 | 11 | 10 | | |
| Bartow County | 17 | - | 1 | - | | |
| Bulloch County | 8 | - | - | 1 | | |
| Cherokee County | 28 | - | 1 | - | | |
| Cobb County | 59 | - | 1 | 1 | | |
| Columbia County | 15 | - | 1 | 1 | | |
| Coweta County | 15 | 1 | - | - | | |
| Forsyth County | 28 | 3 | - | 1 | | |
| Fulton County | 82 | 1 | 2 | 1 | | |
| Gwinnett County | 89 | 3 | 1 | 2 | | |
| Muscogee County | 29 | 1 | 2 | 2 | | |
| Peach County | 4 | 1 | - | - | | |
| Richmond County | 27 | - | 2 | - | | |
| Tift County | 3 | 1 | - | - | | |
| Troup County | 8 | - | - | 1 | | |
| Climate Zone 4 Totals | 65 | 2 | 1 | 2 | | |
| Habersham County | 5 | - | - | 1 | | |
| Hall County | 10 | 1 | - | 1 | | |
| Walker County | 5 | 1 | - | - | | |
| Whitfield County | 11 | - | 1 | - | | |

Download as [CSV File](#)